



PG&E Panelists

Richard Aslin – Integrated Grid Planning

Kevin Clifford – Meteorology



PG&E Solar Efforts

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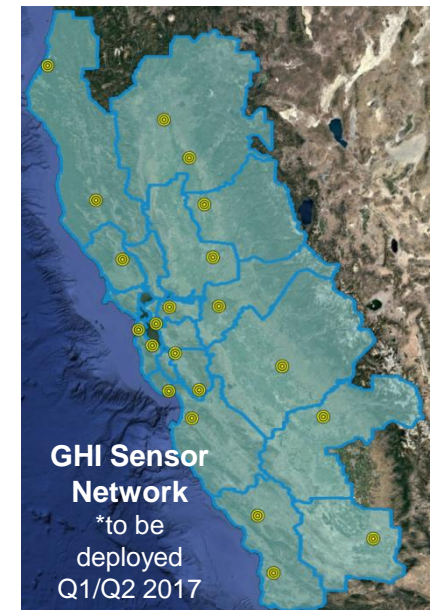
- **Consolidated Weather Data Systems**
 - Efforts Underway
 - Short & Medium Term Forecasting
 - Weather Impact (Irradiance)
 - Multi-level Aggregate PV Output Forecasting
 - Real-time Observations
 - GHI Sensor Network (high frequency readings)
 - SolarAnywhere Partnership (Geospatial coverage)
 - TMY
 - Defining “typical” baseline
 - Hosting-Capacity & long-term Planning
 - Future Opportunities
 - Short Term Variability
 - Marine Stratus Dissipation
 - Machine Learning Applications



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PG&E Integrated Grid Planning

Efforts Underway

- Develop geospatial (circuit level) models to predict customer distributed energy resource deployment at the circuit level.
- Improve transmission and distribution planning tools and processes to better assess the impacts of current and future customer distributed energy resource adoption at the circuit level..

Future Opportunities

- Coordination and collaboration between CEC, CPUC, CAISO, IOUs, LSEs and DER providers to ensure consistency in customer DER deployment scenarios for energy resource and infrastructure planning.
- Coordination and collaboration between CEC, CPUC, CAISO, IOUs, LSEs and DER providers to enable cost-effective deployment of DERs that can provide safe, reliable, affordable and environmentally sustainable energy services for all Californians.